



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141430

Mode: Highway

Status: Submitted

NC-100 (University Drive)

From/Cross Street: SR 1503 (Manning Ave.)

Specific Improvement Type: 1 - Widen Existing Roadway

To: NC 87

Project Category: Regional Impact

Length: 2.4

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$17,087,100

Description:

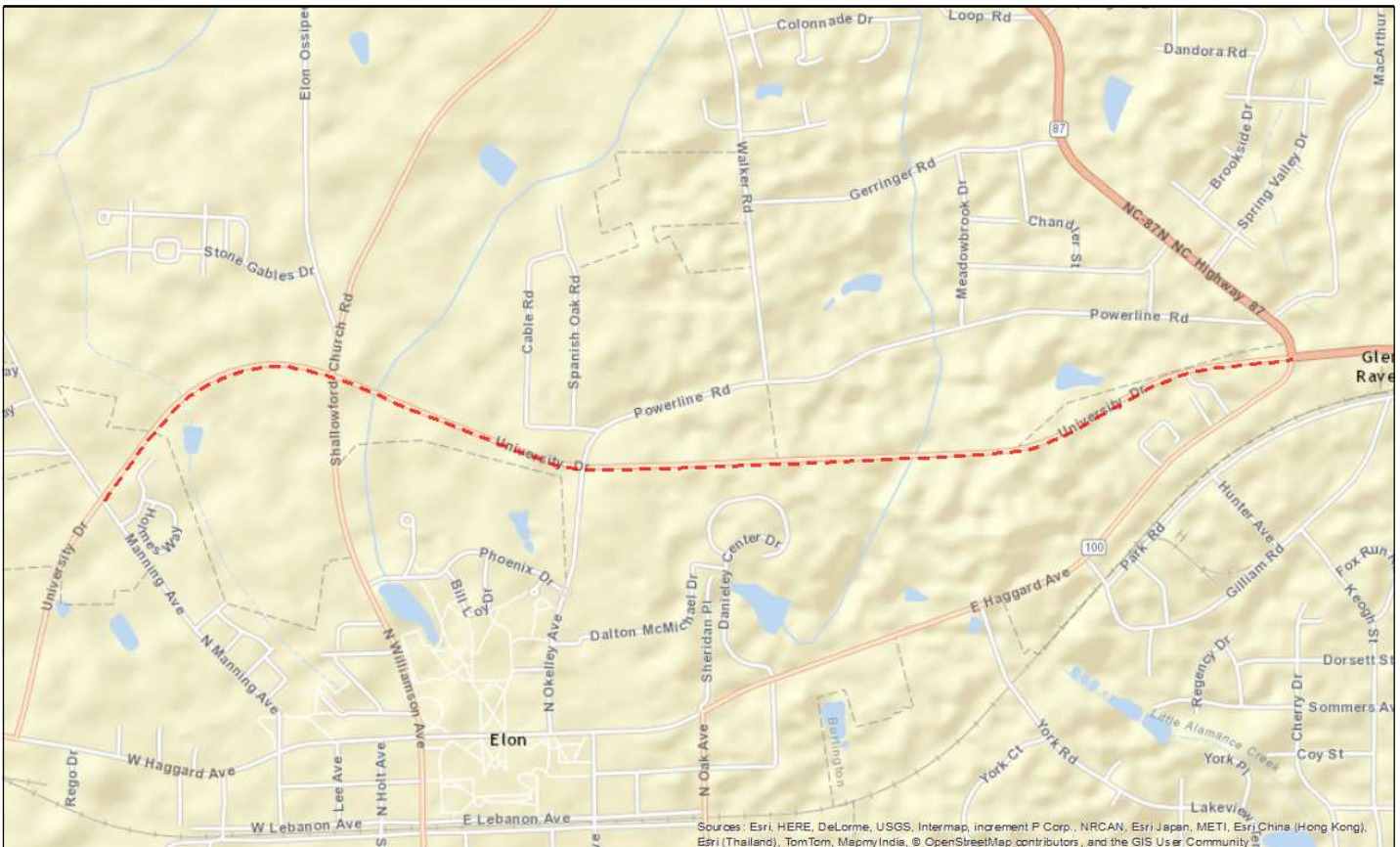
Widen existing pavement from 2 lanes to 4 lanes divided.

Division(s): Division 7

County(s): ALAMANCE

MPOS(s)/RPO(s): Burlington Graham MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 21.18

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 22.97	Percent: 15% Points: 0	Percent: 15% Points: 50
Safety (10%) 68.01		
[Travel Time] Benefit/Cost (25%) 1.49		
Accessibility / Connectivity (10%) 7.65		
Totals: Weight: 70% Weighted Score: 13.68		

Division Needs Total Score: 11.69

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 22.97	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 68.01		
[Travel Time] Benefit/Cost (20%) 1.49		
Totals: Weight: 50% Weighted Score: 11.69		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	35
Length (miles):	2.4
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	5472.75
Capacity:	15800
Volume/Capacity Ratio:	0.35
% Autos:	97%
% Trucks:	3%
Truck Volume:	176.85
Crash Density:	72.19
Crash Severity:	66.16
Critical Crash Rate:	65.71
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	91
Actual Congested Speed:	0
Travel Time Index:	

Project Benefits

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	2.4
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Major Collector
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	1143387.09
Travel Time Savings for 30 Years (Autos):	1106438.76
Travel Time Savings for 30 Years (Trucks):	36948.33
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	Burlington-Graham CTP
CTP/LRTP Completion Year:	2010
Submitted by:	Division 7

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 7	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Burlington Graham MPO	100%	50	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		50	0

Project Cost and Source

Construction Cost:	\$19,342,000	Cost Estimation Tool
Right-of-Way Cost:	\$0	TIP Unit
Utilities Cost:	\$99,000	Cost Estimation Tool
Total Project Cost:	\$19,441,000	
Other Funding:	\$2,353,900	Existing ROW purchased for future widening
Cost to NCDOT :	\$17,087,100	